

## ABSTRACT OF THE DISCLOSURE

In a method for operating a flue gas purification plant (10) ~~comprising~~ including a plurality of parallel of absorber chambers (11), in which in each absorber chamber (11), CO and NO are simultaneously oxidized by ~~means of~~ a catalyst in a first absorber (15) according to the SCONOx principle and the resulting NO<sub>2</sub> is absorbed on the catalyst surface, in which SO<sub>2</sub> is furthermore oxidized by ~~means of~~ a catalyst in a second absorber (14) upstream of the first absorber (15) according to the SCOSOx principle and the resulting SO<sub>3</sub> is absorbed on the catalyst surface; ~~†~~The absorber chambers (11) are successively regenerated by ~~means of~~ a regeneration gas containing hydrogen and/or hydrogen compounds in regularly repeating regeneration cycles affecting all the absorber chambers (11). In order to improve reliability and reduce operating costs in such a method, the regeneration time of the second absorber (14) within the regeneration cycle is respectively selected to be long enough to guarantee sufficient regeneration of the second absorber (14).

(Figure)